

This page gives you Search Results detail for the Application 10552515 and Search Result 20081001_124602_us-10-552-515-1 rai

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http://es/ScoreAccessWeb/GetItem.action?AppId=105525...01_124602_us-10-552-515-1.ra1&ItemType=4&startByte=0 (1 of 19)10/10/2008 8:43:30 AM

SUMMARIES

Result	%					Description
	No.	Score	Query Match	Length	ID	
1	1531.5	30.9	920	2	US-10-104-047-2574	Sequence 2574, Ap
2	1154	23.3	596	2	US-10-104-047-2541	Sequence 2541, Ap
3	912.5	18.4	475	2	US-10-104-047-3116	Sequence 3116, Ap
4	905	18.3	642	3	US-10-108-260A-4483	Sequence 4483, Ap
5	796	16.1	425	2	US-09-270-767-45552	Sequence 45552, A
6	684.5	13.8	483	3	US-10-108-260A-3990	Sequence 3990, Ap
7	594.5	12.0	660	3	US-10-108-260A-3644	Sequence 3644, Ap
8	455.5	9.2	257	3	US-10-100-683-7209	Sequence 7209, Ap
9	455.5	9.2	257	3	US-11-001-793-7209	Sequence 7209, Ap
10	411.5	8.3	393	3	US-09-876-997-457	Sequence 457, App
11	411.5	8.3	393	3	US-10-643-836-457	Sequence 457, App
12	396.5	8.0	215	2	US-09-270-767-61064	Sequence 61064, A
13	353	7.1	366	2	US-09-270-767-32253	Sequence 32253, A
14	353	7.1	366	2	US-09-270-767-47470	Sequence 47470, A
15	290	5.9	189	2	US-09-270-767-31816	Sequence 31816, A
16	290	5.9	189	2	US-09-270-767-47033	Sequence 47033, A
17	255.5	5.2	199	2	US-09-270-767-31722	Sequence 31722, A
18	255.5	5.2	199	2	US-09-270-767-46939	Sequence 46939, A
19	186.5	3.8	166	2	US-09-621-976-4064	Sequence 4064, Ap
20	117	2.4	548	1	US-08-676-279-50	Sequence 50, Appl
21	117	2.4	548	2	US-08-903-139B-8	Sequence 8, Appli
22	117	2.4	548	2	US-08-637-823B-25	Sequence 25, Appl
23	117	2.4	548	2	US-09-614-957D-25	Sequence 25, Appl
24	115.5	2.3	2013	1	US-08-324-977-12	Sequence 12, Appl
25	115.5	2.3	2013	1	US-08-384-616-12	Sequence 12, Appl
26	115.5	2.3	2013	1	US-08-904-686A-12	Sequence 12, Appl
27	115.5	2.3	2013	2	US-09-315-850-12	Sequence 12, Appl
28	115.5	2.3	3010	1	US-08-324-977-2	Sequence 2, Appli
29	115.5	2.3	3010	1	US-08-324-977-14	Sequence 14, Appl
30	115.5	2.3	3010	1	US-08-384-616-2	Sequence 2, Appli
31	115.5	2.3	3010	1	US-08-384-616-14	Sequence 14, Appl
32	115.5	2.3	3010	1	US-08-904-686A-2	Sequence 2, Appli
33	115.5	2.3	3010	1	US-08-904-686A-14	Sequence 14, Appl
34	115.5	2.3	3010	2	US-09-315-850-2	Sequence 2, Appli
35	115.5	2.3	3010	2	US-09-315-850-14	Sequence 14, Appl
36	113.5	2.3	631	3	US-10-369-493-12179	Sequence 12179, A
37	112.5	2.3	1107	3	US-11-216-782-11586	Sequence 11586, A
38	110.5	2.2	680	2	US-09-725-735A-19	Sequence 19, Appl
39	110.5	2.2	680	3	US-10-457-452-19	Sequence 19, Appl
40	108.5	2.2	523	2	US-09-949-016-11540	Sequence 11540, A
41	108.5	2.2	578	2	US-09-052-753B-7	Sequence 7, Appli
42	106	2.1	539	2	US-09-248-796A-16542	Sequence 16542, A
43	105	2.1	1089	2	US-10-012-231A-102	Sequence 102, App
44	105	2.1	1089	2	US-10-015-389A-102	Sequence 102, App
45	105	2.1	1089	2	US-10-006-768A-102	Sequence 102, App

ALIGNMENTS

RESULT 1

US-10-104-047-2574

; Sequence 2574, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2574
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-104-047-2574

Query Match 30.9%; Score 1531.5; DB 2; Length 920;
Best Local Similarity 37.9%; Pred. No. 4.1e-157;
Matches 360; Conservative 168; Mismatches 316; Indels 105; Gaps 29;

Qy	44	TSSGSHCARSRMLRRRAQEEDSTVLID---- <td>91</td>	91
		: ::: : : : :	
Db	4	SSSGITNGKTKVFHPVA--KDVNILFDELEAVSSPCKDDDSLHPGNLTSTSDDASRLEA	61
Qy	92	GGQQAACRAGS-----PAKPRIADFLVWEEEDLKLD RQQDSAARDRTDMHRTWRETFLD	146
		: : : : : : : : :	
Db	62	GGETVPERNKSNGLYFRDGKCRI-DYILVYRK-----SNPQTEK---REVFER	105
Qy	147	NLRAAGLCVDQQDVQDGNTTVHYALLSASWAVLCYYAEDLRLKLPLQE----LPNQASNW	202
		: ::: : : : : : : : :	
Db	106	NIRAEG LQMEKESSLI-NSDIIFVKLHAPWEVLG RYAEQMNVRMPFRRKIYYLPRRYKFM	164
Qy	203	S-----AGLLAWLGIPNVLL--EVVPDVPP-EYYSCRFRVNKLPRFLGSDNQDTFFTST	253
		: : : : : : : : : :	
Db	165	SRIDKQISRLRRWLPKPKMRLDKETLPDLEENDCYTAPFSQQRIHHFI-IHNKETFFNNA	223
Qy	254	KRHQILFEILAKTPYGHEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQR	313
		: : : : :: : :::	
Db	224	TRSRIVHHILQRIKY-EEGKNKIGLNRLLTNGSYEAAFPLHEGSYRSKNSIRTHGAENHR	282
Qy	314	QVLFQHWARWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCF	373
		: :: : : :	
Db	283	HLLYECWASWGVWYKYQPLDLVRRYFGEKIGLYFAWLGWYTGMLFPAAFIGLFVFLYGVT	342
Qy	374	LVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMAL	432
		: : : : : : : : : :	

Db	343	TLDHSQVSKEVCQATDII-MCPVCDKYCPFMRLSDSCVYAKVTHLFDNGATVFFAVFMAV	401
Qy	433	WAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAAS-APMTAPNPITGEDEPYFPER	491
		: : : : : : : : :	
Db	402	WATVFLEFWKRRRAVIAYDWDLDIDWEEEEEEIRPQFEAKYSKKERMNPISGKPEPYQAFT	461
Qy	492	SRARRMLAGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSNTLLA-AWA-----SRIA	545
		: : : : : : : : : : : : :	
Db	462	DKCSRLIVSASGIFFMICVVIAAVFGIVIIYRVVTV-----STFAAFKWALIRNNSQVA	514
Qy	546	SLTGSVV--NLVFILILSKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSP	603
		: : : : : : : : : : : :	
Db	515	T-TGTAVCINFCIIMLLNVLYEKVALLLTNLEQPRTESEWENSFTLKMFLFQFVNLNSST	573
Qy	604	VYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLI	662
		: : : : :	
Db	574	FYIAFFLGRFTGHPGAYLRLINRWRLEECHPSGCLIDLQMGIIMVLKQTWNNFMELGY	633
Qy	663	PKLKGWWQKFRLRSKKRKAGASAGASQGPWEDDYELVPCE--GLFDEYLEMVLQFGFVTI	720
		: : : : : :	
Db	634	PLIQNWTR---RKVRQEHGPERKISFPQWEKDYNLQPMNAYGLFDEYLEMILQFGFTTI	690
Qy	721	FVAACPLAPLFAALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISN	780
		: : : : : : : :	
Db	691	FVAAFPLAPLLALLNNIIEIRLDAYKFVTQWRRPLASRAKDIGIWIYGILEGIGILSVITN	750
Qy	781	AFLLAFFSSDFLPRAYYRW-----TRAHDLRGFLNFTLA-----RAP	816
		: : : : : : : : : :	
Db	751	AFVIAITSDFIPRLVYAYKYGPCAGQGEAGQKCMVGYVNASLSVFRISDFENRSEPESDG	810
Qy	817	SSFAAAHNRTCRYRAFRDDDDGH-----YSQTYWNLLAIRLAFVIVFEHVVSVGRLLDLL	871
		: : : : : : : : : :	
Db	811	SEFSGTPLKYCRYRDYRDPPHSLVPYGYTLQFWHVLAARLAFIIVFEHLVFCIKHLISYL	870
Qy	872	VPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDEQPKGSELSSHW	920
		: : : : : : : : : : :	
Db	871	IPDLPKDLRDRMRREKYLIQEMMYEALERLQKERKERKKNGKAHHNEW	919

RESULT 2
US-10-104-047-2541
; Sequence 2541, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2541
; LENGTH: 596
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2541

Query Match 23.3%; Score 1154; DB 2; Length 596;
Best Local Similarity 41.3%; Pred. No. 3.9e-116;
Matches 250; Conservative 108; Mismatches 194; Indels 54; Gaps 14;

Qy	357	LLPAAVVGTLVFLVGCFLVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSACALAQAG	415
		: : :: : : : :	
Db	2	LFPAAFIGLFVFLYGVTTLDHSQVSKEVCQATDII-MCPVCDKYCPFMRLSDSCVYAKVT	60
Qy	416	RLFDHGGTVFFSLFMALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAAS-APM	474
		: :: : : : : : : : :	
Db	61	HLFDNGATVFFFAVFMVWATVFLEFWKRRRAVIAYDWDLDWEEEEEEIRPQFEAKYSKK	120
Qy	475	TAPNPITGEDEPYFPERSRARRMLAGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSGN	534
		: : : :: : : : : : : :	
Db	121	ERMNPISGKPEPYQAFTDKCSRLIVSASGIFFMICVIAAVFGIVIIYRVVTV-----S	173
Qy	535	TLLA-AWA-----SRIASLTGSVV--NLVFILILSKIYVSLAHVLTRWEMHRTQTKFEDA	586
		: : : : : : : : ::: : :	
Db	174	TFAAFKWALIRNNSQVAT-TGTAVCINFCIIMLLNVLYEKVALLLTNLEQPRTESEWENS	232
Qy	587	FTLKVFIFQFVNIFYSSPVYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAQELL	645
		: : : : : :	
Db	233	FTLKMFLFQFVNLSSTFYIAFFLGRFTGHPGAYLRLINRWRLEECHPSGCLIDLQCMQMG	292
Qy	646	VIMVGKQVINNMQEVLPKLKGWWQKFRRLRSKKRKAGASAGASQGPWEDDYELVPCE--G	703
		: : :: : ::	
Db	293	IIMVLKQTNWNNFMELGYPLIQNWWR---RKVRQEHGPERKISFPQWEKDYNLQPMNAYG	349
Qy	704	LFDEYLEMVLQFGFVTIFVAACPLAPLFAALLNNWVEIRLDARKEVCEYRRPVAERAQDIG	763
		: : : : :	
Db	350	LFDEYLEMILQFGFTTIFVAAFPLAPLLALLNNIIEIRLDAYKFVTQWRRPLASRAKDIG	409
Qy	764	IWFHILAGLTHLAVISNAFLLAFFSSDFLPRAYYRW-----TRAHDLRGFLNFTLA	813
		: : : : : : : : : : : :	
Db	410	IWYGILEGIGILSVITNAFVIAITSDFIPRLVYAYKYGPCAGQGEAGQKCMVGYVNASLS	469
Qy	814	-----RAPSSFAAAHNRTCryRAFRDDDGH-----YSQTYWNLLAIRLAFV	854
		: : : : : : :	
Db	470	VFRISDFENRSEPESDGSEFSGTPLKYCRYRDYRDPHSLVPYGYTLQFVHVLAAARLAFI	529
Qy	855	IVFEHVVFVSGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDEQPKGS	914
		: : : : : : : :: :: : : : :	
Db	530	IVFEHLVFCIKHLISYLIPDLPKDLRDRMRREKYLIQEMMYEAELERLQKERKERKKNKG	589
Qy	915	ELSSHW	920
		:	
Db	590	AHHNEW	595

RESULT 3

US-10-104-047-3116
; Sequence 3116, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3116
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3116

Query Match 18.4%; Score 912.5; DB 2; Length 475;
Best Local Similarity 38.0%; Pred. No. 7e-90;
Matches 202; Conservative 89; Mismatches 143; Indels 97; Gaps 12;

Qy	430	MALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFP	489
		: : : : : :	
Db	1	MAVWATVFLEFWKRRRAVIAYDWDLIDWEEEE-----	32
Qy	490	ERSRARRMLAGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSNTLLA-AWA-----SR	543
		: : : :: : : :	
Db	33	-----ICVVIAAVFGIVIYRVVTV-----STFAAFKWALIRNSQ	67
Qy	544	IASLTGSVV--NLVFILILSKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYS	601
		: : : : :: : : ::	
Db	68	VAT-TGTAVCINFCIIMLLNVLYEKVALLLTNLEQPRTESEWENSFTLKMFLFQFVNLNS	126
Qy	602	SPVYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEV	660
		: :	
Db	127	STFYIAFFLGRFTGHPGAYLRLINRWRLLEECHPSGCLIDLQMGIIMVLKQTNWNNFMEL	186
Qy	661	LIPKLKGWWQKFRLRSKKRKAGASAGASQGPWEDDYELVPCE--GLFDEYLEMVLQFGFV	718
		: : : : :	
Db	187	GYPLIQNWTR---RKVRQEHGPERKISFPQWEKDYNLQPMNAYGLFDEYLEMILQFGFT	243
Qy	719	TIFVAACPLAPLFAALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVI	778
		: :	
Db	244	TIFVAAFPLAPLLALLNNIIEIRLDAYKFVTQWRRPLASRAKDIGIYGILEGIGILSVI	303
Qy	779	SNAFLLAFFSDFLPRAYRW-----TRAHDLRGFLNFTLA-----R	814
		: : : : : : : : : : : :	
Db	304	TNAFVIAITSDFIPRLVYAYKYGPCAGQGEAGQKCMVGYNASLSVFRISDFENRSEPES	363

Qy 815 APSSFAAAHNRTCryRAFRDDDDGH-----YSQTYWNLLAIRLAFVIVFEHVVSFVGRLLD 869
| |: : |||| :|| | : |: :|| ||||:||||:| : |:
Db 364 DGSEFSGTPLKYCRYRDYRDPPHSLVPYGYTLQFWHVLAAARLAFIIVFEHLVFCIKHLIS 423

Qy 870 LLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDEQPKGSELSSHW 920
|:|:|:|: : :::|| || :: : | |: | : : | : |
Db 424 YLIPDLPKDLRDRMRREKYLIQEMMYEAELERLQKERKERKKNGKAHHNEW 474

RESULT 4
US-10-108-260A-4483
; Sequence 4483, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4483
; LENGTH: 642
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-4483

Query Match 18.3%; Score 905; DB 3; Length 642;
Best Local Similarity 35.4%; Pred. No. 7.8e-89;
Matches 222; Conservative 106; Mismatches 219; Indels 80; Gaps 17;

Qy 26 GLYCRDQAHAERWAMT--SETSSGSHCARSRMLRRRAQEEDSTVLIDVSPPEAEKRGSYG 83
||| || : : : || :| | || | |: |
Db 24 GLYFRDGRRKVDYILVYHHKRPSG-----NRTLVRRVQHSDTP-----SGA 64

Qy 84 STAHASEPGGQQAACRAGSPAKPRIADFLVWEEEDLKLDRQQDSAARDRTDMHRTWRET 143
: | : |: ||| | :| :| | ||
Db 65 RSVKQDHPPLPGKGASLDAGSGEPP-----MDYHEDD-----KRFRREE 102

Qy 144 FLDNLRAAGLCVDQQDVQDGNTTVH---YALLSASWAVLCYYAEDLRLKLPLQELPNQAS 200
: || ||| :: :| :| :| : : | | ||| || |:|:| ::: :
Db 103 YEGNLLLEAGLELE----RDEDTKIHGVGFVKIHAPWNVLCREAEFLKLKMPTKKMYH--I 156

Qy 201 NWSAGLLAWLGIPNVLLEVVPDVPPEYYSCR-----FRVNKLPRFLGSDNQDTFF 250
| : ||| | :|| :: : |: | | | | || :|:|
Db 157 NETRGLLK--KINSVLQKITDPIQPKVAEHRPQTMKRLSYPPFSREKQHLFDLSD-KDSFF 213

Qy 251 TSTKRHQILFEILAKTPYGHEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRL 310
| | |:|:|:| :| | : :|| ||| || :|:|:|:| : :
Db 214 DSKTRSTIVYEILKRTTCTKAKYS-MGITSLLANGVYAAAYPLHDGDY-----NGENVEF 267

Qy 311 NQRQVLFFQHWARWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLV 370

	::: : : ::: : : : : : : :	
Db	61 FSFSVVL L L I A L A F V A L L A V V V Y R M S M L A A L K V G A S P M T T S S A I V L A T A S A A F V N L C L L Y	120
Qy	559 I L S K I Y V S L A H V L T R W E M H R T Q T K F E D A F T L K V F I F Q F V N F Y S S P V Y I A F F K G R F V G Y P G	618
	: : : : : :: : : : :	
Db	121 I L N Y M Y N H L A E Y L T E L E M W R T Q T Q F D D S L T L K I Y L L Q F V N Y Y A S I F Y I A F F K G K F V G H P G	180
Qy	619 N Y H T L F G V R N E E C A A G G C L I E L A Q E L L V I M V G K Q V I N N M Q E V L I P K L K G W W Q K F R L R S K K	678
	: : : : : : : :	
Db	181 E Y N K L F D Y R Q E E C S S G G C L T E L C I Q L A I I M V G K Q A F N T I L E V Y L P M --- F W R K V --- L A	233
Qy	679 R K A G A S A G A S Q G P ----- W E D D Y E L V P -- C E G L F D E Y L E M V L Q F G F V T I F V A A C P L	727
	: : :: :	
Db	234 I Q V G L S R L F N N T P N P D K T K D E R W M R D F K L L D W G A R G L F P E Y L E M V L Q Y G F V T I F V A A F P L	293
Qy	728 A P L F A L L N N W V E I R L D A R K F V C E Y R R P V A E R A Q D I G I W F H I L A G L T H L A V I S N A F L L A F S	787
	: : : : : : : : : : : : : : :	
Db	294 A P F F A L L N N I L E M R L D A K K L L T H H K R P V S Q R V R D I G V W Y R I L D C I G K L S V I T N G F I I A F T	353
Qy	788 S D F L P R - A Y Y R W T R A H D L R G F L N F T L A R ----- A P S S F A A A H N --- R T C R Y R A F R	833
	: : : : : : : : : :	
Db	354 S D M I P R L V R H X V N K Q G T L D G Y L N F T L S E F K V I D S P T L Y S L A G D L S N I T T C R Y T D F R	409

RESULT 6
US-10-108-260A-3990
; Sequence 3990, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3990
; LENGTH: 483
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-3990

Query Match 13.8%; Score 684.5; DB 3; Length 483;
Best Local Similarity 35.1%; Pred. No. 6.3e-65;
Matches 171; Conservative 95; Mismatches 168; Indels 53; Gaps 14;

Qy	479 P I T G E D E ----- P Y F P E R S R A R R M L A G S V V I V M V A V V M C L V ----- S I I L Y R A I M	525
	: : : : : ::: ::: :	
Db	2 P A V S E E E M A L Q L I N C P D Y K L R P Y Q H S Y L R S T V I L V -- L T L L M I C L M I G M A H V L V V Y R V L A	59
Qy	526 A I V V S R S G N T L L A A W A S R I A S L T G S V V N L V F I L I L S K I Y V S L A H V L T R W E M H R T Q T K F E D	585
	: : : : : : : : : : : :	
Db	60 S A L F S S S A V P F L E E Q V T T A V V V T G A L V H Y V T I V I M T K I N R R V A L K L C D F E M P R T F S E R E S	119

Qy	586	AFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGV-RNEECAAGGCLIELAQEL	644
		:: : : : : : :: ::	
Db	120	RFTIRFFTLQFFTHFSSLIYIAFILGRINGHPGKSTRLAGLWKLEECHASGCMMDLFVQM	179
Qy	645	LVIMVGKQVINNMQEVLIPLKLGWWQKFRLRSKKRKAGASAGASQGP----WEDDYELVP	700
		: :: : : : : :	
Db	180	AIIMGLKQTLSNCEVEYLP-----WVTHKCRS--LRASESGHLPRDPELRDWRNRNYLLNP	232
Qy	701	CE--GLFDEYLEMVLQFGFVTIFVAA CPLAPL FALLNNWVEIRLDARKFVCEYRRPVAER	758
		:: :: : : :	
Db	233	VNTFSLFDEFMEMMIQYGFTTIFVAAFPLAPLLALFSNLVEIRLDAIKMVWLQRRLLVPRK	292
Qy	759	AQDIGIWFHILAGLTHLAVISNAFLLA FSSDFLPRAYYRW-----TRAHDLRGFL	808
		: : : : :: : : : :: : : ::	
Db	293	AKDIGTWLQVLETIGVLAVIANGMVIAFTSEFIPRVVYKYRYSPLKEGNSTVDCLKGYV	352
Qy	809	NFTLA-----RAPSSFAAAHNRT-CRYRAFRD-DDGHYSQTYWNLLAIRLAFVIVFEH	859
		: : : : : : :: : : :	
Db	353	NHSLSVFHTKDFQDPDGIEGSENVTLCRYRDYRNPPDYNFSEQFWFLLAIRLAFVILFEH	412
Qy	860	VVFSVGRLLDLLVPDIPESVEIKV-KREYYLAKQALAENEVLFGTNGTKDEQPKGSELSS	918
		: : : : : : :: : : :	
Db	413	VALCIKLIAAWFVPDIPQSVKNKVLEVKYQRLREKMWHGRQRLGGVGAGSRPP----MPA	468
Qy	919	HWTPFTV	925
		::	
Db	469	HTPASI	475

RESULT 7
US-10-108-260A-3644
; Sequence 3644, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3644
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-3644

Query Match 12.0%; Score 594.5; DB 3; Length 660;
Best Local Similarity 24.1%; Pred. No. 7.7e-55;
Matches 171; Conservative 122; Mismatches 231; Indels 185; Gaps 20;

Qy	228	YSCRF RVNKLPRFLG-SDNQDTFFTSTKRHQILFEILAKTPYGHEKKNLLG-----	277
----	-----	---	-----

		:: : :		
Db	100	FTYRTRQN----FKGFDDNNDDFLTMAECQFI I-----KHELENLRAKDEKMIPGY	146	
Qy	278	-----IHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRQVLFQHW-ARWGK	325	
		: : :: : :		
Db	147	PQAKLYPGKSLLRRLTSGIVIQVFLHDS-----EALKKLEDTWYTRFAL	192	
Qy	326	WNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELC	385	
		: : : : :: ::		
Db	193	--KYQPIDSIRGYFGETIALYFGFLEYFTFALIPMAVIG-----	229	
Qy	386	GSKDSFEMCPLCLDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMALWAVLLLEYWKRKS	445	
		:: : : : : ::		
Db	230	-----LPYYLFVWE-----DYDKYVIFASFNLIWSTVILELWKRG	265	
Qy	446	ATLAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIV	505	
		: : : :: : : :		
Db	266	ANMTYRWGTLLMKRKFEPRPGFHG--VLGINSITGKEEPLYPSYKRQLRIYLVSLPFV	322	
Qy	506	VMVAVVVMCLVSIILYRAIMAIVVSRSNTLLAAWASRIASLTGSVVNLVFILILSKIYV	565	
		: : :: : : : : : :: : :::		
Db	323	CLCLYFSLYVMMIYFDMEVWALGLHENSG--SEWTS-VLLYVPSIIYAIVIEIMNRLYR	378	
Qy	566	SLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFG	625	
		:: :: : ::		
Db	379	YAAEFLTSWENHRLESAYQNHLLIKVLVFNFLNCFASLFYIAFV-----	422	
Qy	626	VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLI PKLKGW--QKFRLRSKKRKAGA	683	
		::: : :: :: : : : : ::		
Db	423	LKDMKL-----LRQSLATLLITSQILNQIMESFLP----YWLQRKHGVRVKRKVQAL	470	
Qy	684	SAGASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPL F ALLNNWVEI	740	
		: : : :: : : :: :: : :		
Db	471	KADIDATLYEQVILEKEMGTYLGTFFDDYLELFLQFGYVSLFSCVYPLAAAFVLNNFTEV	530	
Qy	741	RLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRWTR	800	
		:: : : :: : : :: :: : : ::		
Db	531	NSDALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQV--NAVFPE	588	
Qy	801	AHDLRGFLNFTLARAPSSFAAAHNRTC RYRAFRDDDGHYSQTYWNLLAIRLAFVIVFEHV	860	
		: :		
Db	589	A-DL-----ILIVVAVEHA	601	
Qy	861	VFSVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDE	909	
		: :: : : :: : : : : : :: ::		
Db	602	LLALKFILAFaipdkprhiQMKLARLEFESLEALKQQQMKLVTENLKEE	650	

RESULT 8
US-10-100-683-7209
; Sequence 7209, Application US/10100683
; Patent No. 7368531
; GENERAL INFORMATION:

```

; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS900
; CURRENT APPLICATION NUMBER: US/10/100,683
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: US 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: US 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,845
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,599
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,664
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,632
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,892
; PRIOR FILING DATE: 1997-08-22
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13468
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7209
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-100-683-7209

```

Query Match 9.2%; Score 455.5; DB 3; Length 257;
Best Local Similarity 42.2%; Pred. No. 2.4e-40;
Matches 108; Conservative 41; Mismatches 56; Indels 51; Gaps 9;

Qy	709	LEMVLQFGFVTIFVAACPLAPLPLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHI	768
		: :: : : : : : :	
Db	1	MEMIIQFGFVTLFVASFPLAPLPLFALLNNIIIEIRLDAKKFVTELRRPVAVRAKDIGIWYNI	60
Qy	769	LAGLTHLAVISNAFLLLAFSSDFLPRA--YYRWTRAHDLRGFLNFTLARAPSSF-----	819
		: :: : : :: : :	
Db	61	LRGIGKLAVIINAFVISFTSDFIPRLVYLYMYSKNGTMHGFEVNHTL---SSFNVSDFQN	116
Qy	820	AAAHN-----RTCRYRAFRD---DDGHY--SQTYWNLLAIRLAFVIVFEHVVF SVG	865
		: : : : : : : : : :	
Db	117	GTAPNDPLDLGYEVQICRYKDYREPPWSENKYDISKDFWAVLAARLAFVIVFQNLVMFMS	176
Qy	866	RLLDLLVPDIPESVEIKVKREYYLA-----KQALAENEVLFGTNGTKDEQP----	911
		: :: : : :::	
Db	177	DFVDWVIPDIPKDISOOIHKEKVLMLVELFMREEODKOLL--ETWMEKEROKDEPPCNHH	234

```
; Sequence 7209, Application US/11001793
; Patent No. 7411051
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS900
; CURRENT APPLICATION NUMBER: US/11/001,793
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US/10/100,683
; PRIOR FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: US 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: US 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,845
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,599
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,664
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,632
; PRIOR FILING DATE: 1997-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13468
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7209
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-001-793-7209
```

Qy 709 LEMVLQFGFVTIFVAACPLAPLFFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHI 768
:||::|||||:||||: ||||| ||| :|||||:| | ||| | |:|||||::|

Db 1 MEMIIQFGFVTLFVASFPLAPLFFALLNNIIIEIRLDAKKFVTELRRPVAVRAKDIGIWYNI 60

Qy 769 LAGLTHLAVISNAFLFSSDFLPRA--YYRWTRAHDLRGFLNFTLARAPSSF----- 819
| |: ||| | ||::|:| || | :: : |:| || | ||
Db 61 LRGIGKLAVIINAFVISFTSDFIPRLVYLYMYSKNGTMHGFVNHTL---SSFNVSDFQN 116

Qy 820 AAAHN-----RTCRYRAFRD---DDGHY--SQTYWNLLAIRLAFVIVFEHVVF SVG 865
| | : ||| : |: : | | : | : || ||||| ||::| :
Db 117 GTAPNDPLDLGYEVQICRYKDYREPPWSENKYDISKDFWAVLAARLAFVIVFQNLVMFMS 176

Qy 866 RLLDLLVPDIPESVEIKVKREYYLA-----KQALAENEVLFGTNGTKDEQP---- 911
:| ::|||: : :: :| | || | | || |
Db 177 DFVDWVIPDIPKDISQQIHKEKVL MVELFMREEQDKQQLL--ETWMEKERQKDEPPCNHH 234

Qy 912 -----KGSELSSH 919
| | | |
Db 235 NTKACPDSLGSPPASH 250

RESULT 10
US-09-876-997-457
; Sequence 457, Application US/09876997
; Patent No. 7060479
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/876,997
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 457
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-997-457

Query Match 8.3%; Score 411.5; DB 3; Length 393;
Best Local Similarity 23.8%; Pred. No. 3.3e-35;
Matches 111; Conservative 95; Mismatches 172; Indels 89; Gaps 11;

Qy 448 LAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIVVM 507
: ||| : | ||| | : | |||::|| :| | |: |: | :
Db 1 MTYRWGTLLMKRKFEEPRPGFHG---VLGINSITGKEEPLYPYKRQLRIYLVSLPFVCL 57

Qy 508 VAVVVMCLVSIILYRAIMAIVVSRGNTLLAAWASRIASLTGSVVNLVFILILSKIYVSL 567
: :: | : |: : : : | | : |:: : | |:::|

Db	58	CLYFSLYVMMIYFDMEVWALGLHENS---	SEWTS-VLLYVPSIIYAIVIEIMNRLYRYA	113
Qy	568	AHVLTRWEMHRTQTKFEDAFTLKVFIFQFVN	FYSSPVYIAFFKGRFVGYPGNYHTLFGVR	627
		:: :::	: : :: ::	
Db	114	AEFLTSWENHRLESAYQNHLLILKVLVFNFL	NCFASLFYIAFV-----	LK 157
Qy	628	NEECAAGGCLIELAQELLVIMVGKQVINNM	QEVLPKLKGWW--QKFRLRSKKRKAGASA	685
		: :	:: : : : : ::	
Db	158	DMKL-----	LRQSLATLLITSQILNQIMESFLP---	YWLQRKHGVRVCRKVQALKA 205
Qy	686	GASQGPWED---	DYELVPCEGLFDEYLEMVLQFGFVTIFVAA	CPLAPLFA LLNNWVEIRL 742
		: :	: : : :: : : :	
Db	206	DIDATLYEQVILEKEMGTYLGT	FDDYLELFLQFGYVSLFSCVYPLAAAF	AVLNNFTEVNS 265
Qy	743	DARKEVCEYRRPVAERAQDIGIWFHILAGL	THLAVISNAFLLAFSSDFLPRAYYRWTRAH	802
		:: : : : :	:: :: :: : : :	
Db	266	DALKMCRVFKRPFSEPSANIGVWQLAFET	MSVISVVTNCALIGMSPQV--	NAVFPEKA- 322
Qy	803	DLRGFLNFTLARAPSSFAAAHNRTC	RYRAFRDDDGHYSQTYWNLLAIRLAF	VIVFEHVVF 862
			:	: :
Db	323	DL-----	ILIVVAVEHALL	336
Qy	863	SVGRLLDLLVPDIPESVEIKVKREYYLAK	QALAENEVLFGTNGTKDE	909
		:: : : :: :	: : : : :: :	
Db	337	ALKFILAF	AIPDKPRHIQMKLARLEFESLEALKQQ	QMKLV TENLKEE 383

RESULT 11
US-10-643-836-457
; Sequence 457, Application US/10643836
; Patent No. 7271243
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.US3.REG
; CURRENT APPLICATION NUMBER: US/10/643,836
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US/09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 457
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-643-836-457

Query Match 8.3%; Score 411.5; DB 3; Length 393;
Best Local Similarity 23.8%; Pred. No. 3.3e-35;
Matches 111; Conservative 95; Mismatches 172; Indels 89; Gaps 11;

Qy 448 LAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIVVM 507
: ||| : | ||| | : | |||::|| :| | |: |: | :
Db 1 MTYRWGTLLMKRKFEEPRPGFHG---VLGINSITGKEEPLYPSYKRQLRIYLVSLPFVCL 57

Qy 508 VAVVVMCLVSIILYRAIMAIVVSRSGNTLLAAWASRIASLTGSVVNLVFILILSKIYVSL 567
: :: | : |: : : : | | : |:: : | |:::|
Db 58 CLYFSLYVMMIYFDMEVWALGLHENSG---SEWTS-VLLYVPSIIYAIVIEIMNRLYRYA 113

Qy 568 AHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNIFYSSPVYIAFFKGRFVGYPGNYHTLFGVR 627
| || || || :: :: | || :| |:| ::| |||| ::
Db 114 AEFLT SWENHRLESAYQNHLILKVLVFNFLNCFASLFYIAFV-----LK 157

Qy 628 NEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWW--QKFRLRSKKRKAGASA 685
: : | | | ::| |:| : | :| :| :| |:| :|
Db 158 DMKL-----LRQSLATLLITSQILNQIMESFLP---YWLQRKHGVRVVRKRVQALKA 205

Qy 686 GASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFA LLNNWVEIRL 742
:| : |: | ||:| |:| |:| |:| | | |:| |:| :|
Db 206 DIDATLYEQVILEKEMGTYLGTFFDYLELFLQFGYVSLFSCVYPLAAAFVLNNFTEVNS 265

Qy 743 DARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRWTRAH 802
|| | ::|| :| : :||:| :: ::|::| |: | : : :|
Db 266 DALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQV--NAVFPEska- 322

Qy 803 DLRGFLNFTLARAPSSFAAAHNRTCryRAFRDDDGHYSQTYWNLLAIRLAFVIVFEHVVF 862
|| : |: || :
Db 323 DL-----ILIVVAVEHALL 336

Qy 863 SVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDE 909
:: :| :|| | ::||:| : : :|| : :: | |:|
Db 337 ALKFILAFaIPDKPRHIQMKLARLEFESLEALKQQQMKLVTENLKEE 383

RESULT 12

US-09-270-767-61064
; Sequence 61064, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61064
; LENGTH: 215
; TYPE: PRT
; ORGANISM: Drosophila melanogaster

Qy 219 VVPDVPPEYYSCRFRV--NKLPRFLGSDNQDTFFTSTKRHQILFEIL--AKTPYGHEKKN 274
| :: |: : || :: :| || |||: | :: || : | ::
Db 197 VDEEIFPK-RAHRFTAIYSRDKEYLFDIRQDCFFTTAVRSRIVEFILDRQRFPKQNHDM 255

Qy 275 LLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRVLFQHWARWGKWNKYQPLDH 334
|| ::||| |||:|||| | :::||| || :||||
Db 256 AFGIERLIAEGVYSAAYPLHDGEITETG-----TMRALLYKHVASVPKWYRYQPLDD 307

Qy 335 VRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELCGS 387
:: ||| |: |||||:|| || |:|| : || | : : :| ::| |
Db 308 IKEYFGVKIGLYFAWLGYTYMLLLASIVGVICFLYSWFLKKNYVPVKDICQS 360

RESULT 14

US-09-270-767-47470
; Sequence 47470, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47470
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47470

Query Match 7.1%; Score 353; DB 2; Length 366;
Best Local Similarity 32.4%; Pred. No. 7.3e-29;
Matches 95; Conservative 56; Mismatches 104; Indels 38; Gaps 9;

Qy 108 RIADFVLVWEEDLKLDRQQDSAARDRTDMHRT-WRETFLDNLRAAGLCVD--QQDVQDGN 164
| |||| : : | : |: : | | | || : || |: |:|
Db 93 RSIDFVLAYRIN-----AHEPTELENTEKRRVFANLISQGLEVESSQKD----- 137

Qy 165 TTVHYALLSASWAVLCYYAEDLRLKLPLQELPNQASNWSAGLLAWLGIPNVL-----LE 218
: : : | || ||| |:|:|:|:|:| : : : : :| :
Db 138 -QIWFVKIHAPLEVLRRYAEILKLRLMPMKEIPGMSVVRSTKSVFSSLKHVFQFFLRNIY 196

Qy 219 VVPDVPPEYYSCRFRV--NKLPRFLGSDNQDTFFTSTKRHQILFEIL--AKTPYGHEKKN 274
| :: |: : || :: :| || |||: | :: || : | ::
Db 197 VDEEIFPK-RAHRFTAIYSRDKEYLFDIRQDCFFTTAVRSRIVEFILDRQRFPKQNHDM 255

Qy 275 LLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRVLFQHWARWGKWNKYQPLDH 334
|| ::||| |||:|||| | :::||| || :||||
Db 256 AFGIERLIAEGVYSAAYPLHDGEITETG-----TMRALLYKHVASVPKWYRYQPLDD 307

Qy 335 VRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELCGS 387
:: ||| |: |||||:|| || |:|| : || | : : :| ::| |

Db 308 IKEYFGVKIGLYFAWLGYTYMLLLASIVGVICFLYSWFSLKNYVPVKDICQS 360

RESULT 15

US-09-270-767-31816
; Sequence 31816, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31816
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-31816

Query Match 5.9%; Score 290; DB 2; Length 189;
Best Local Similarity 37.8%; Pred. No. 1.8e-22;
Matches 62; Conservative 25; Mismatches 59; Indels 18; Gaps 4;

Qy 249 FFTSTKRHQILFEILAKTPY--GHEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQ 306
| :: |: |: || : : | | : ||| :|: :|| : |: |||
Db 39 FLDASTRYSIINFILQRQRFVEGEETADNLGIEKLVQDGVYTCAATLHD----- 87

Qy 307 APRLNQRQVLFQHWARWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTL 366
: | | : || || |||| :: ||| ||||| ||||| | :| :| | |
Db 88 ---KDDRDRLLKEWANISKWKNLQPLDQIKDYFGAKVALYFAWLGFYTQMLIPISVFGVL 144

Qy 367 VFLVGCFLVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSAC 409
|| | || ::::| : ||| | | :| |: |
Db 145 CFLYGFITWNSDPISRDI CDDNGTI-MCPQCDRSCDYWRLNETC 187

Search completed: October 1, 2008, 12:55:52
Job time : 588 secs

SCORE 3.6